

1/11

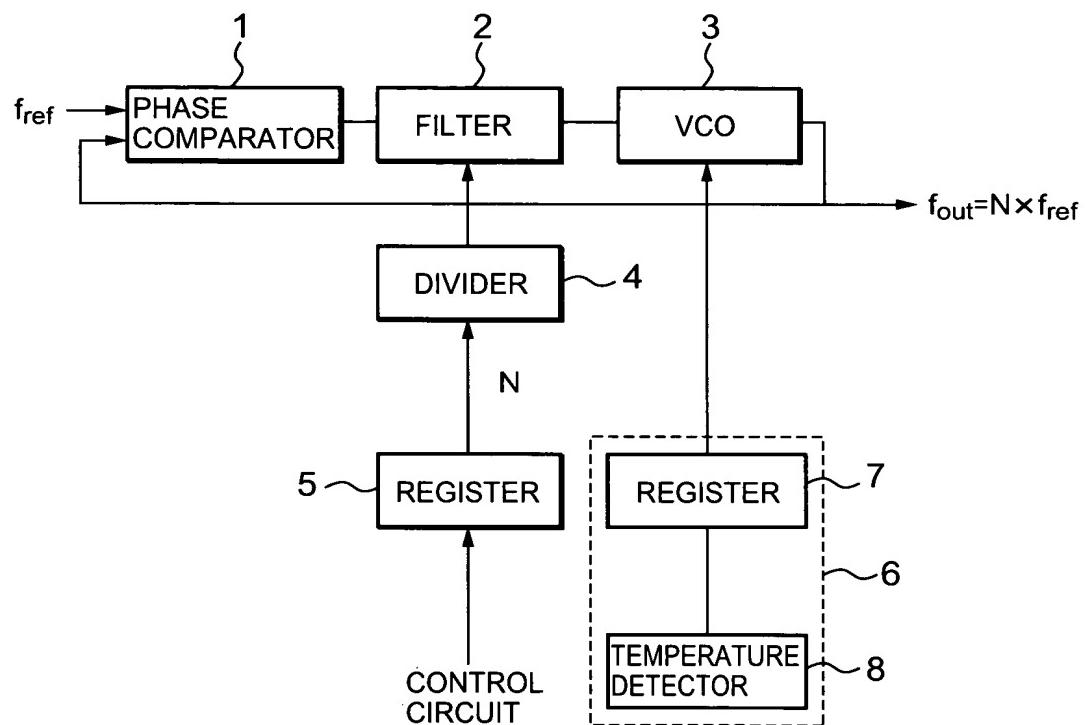


Fig. 1

2/11

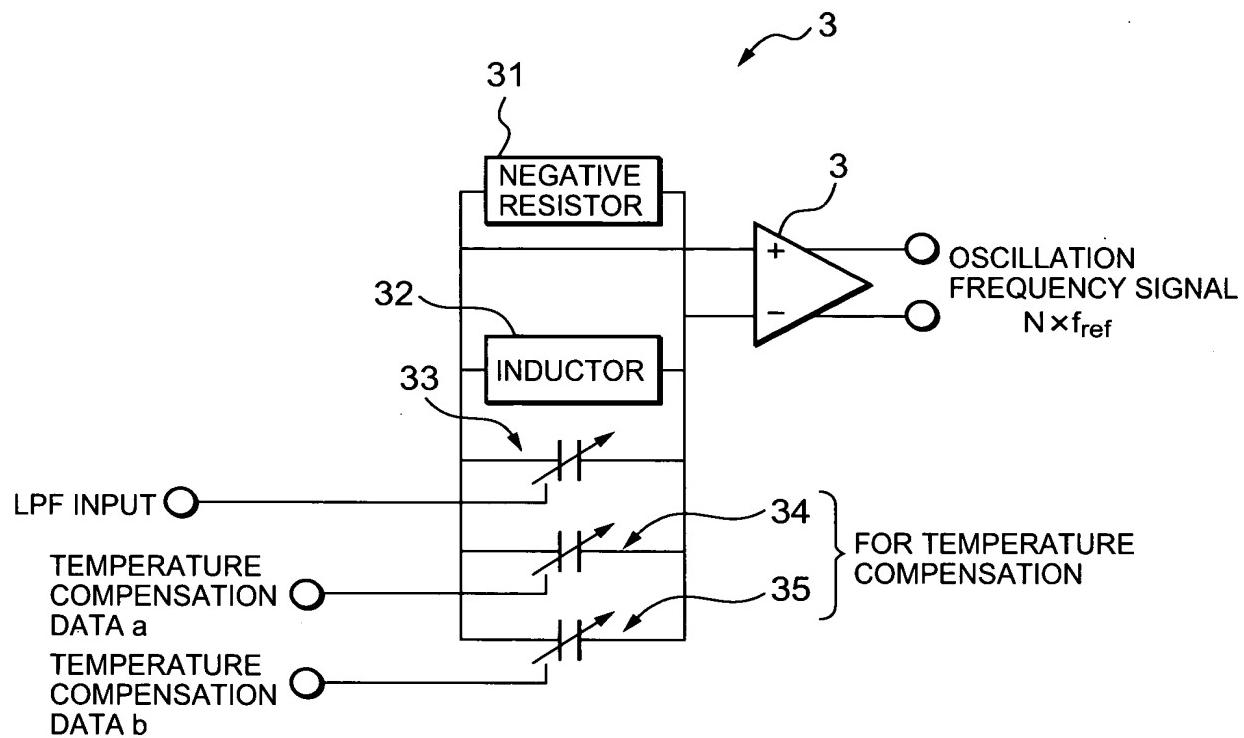


Fig. 2

3/11

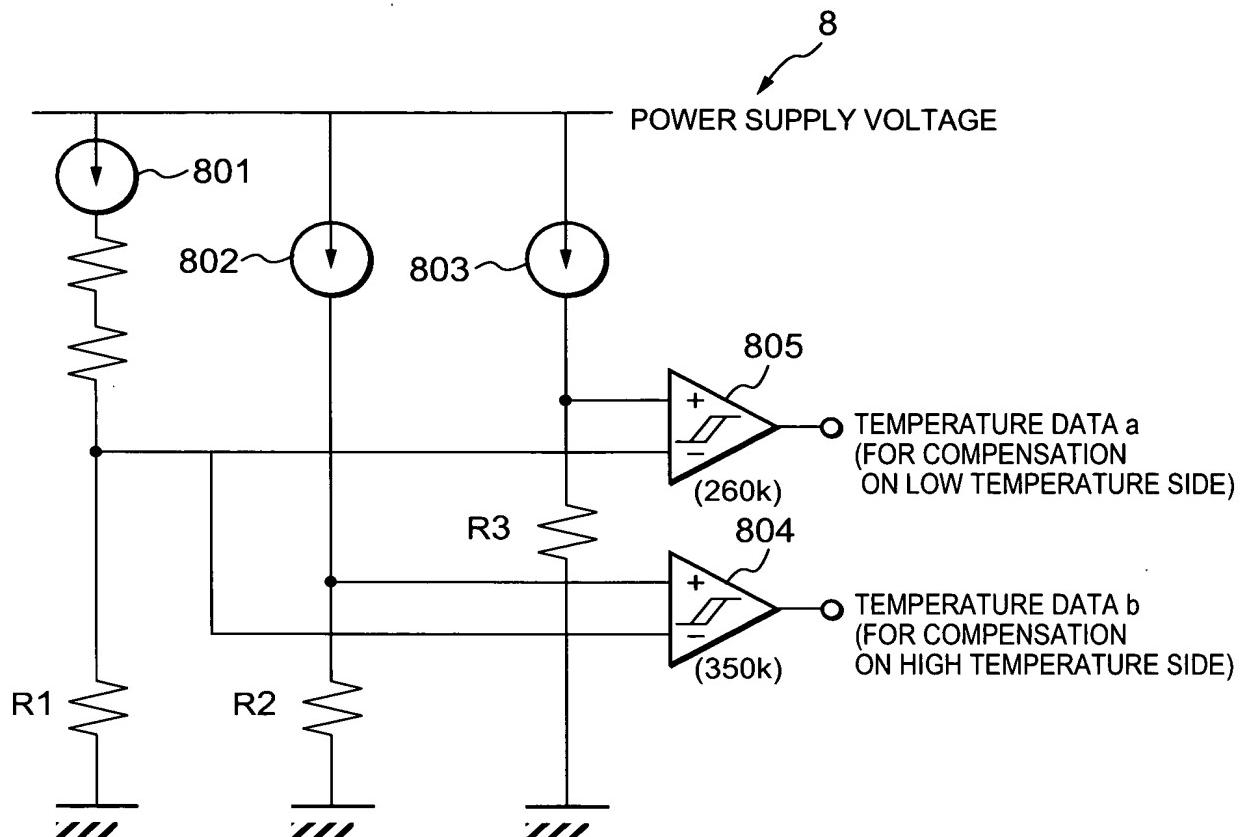


Fig. 3(a)

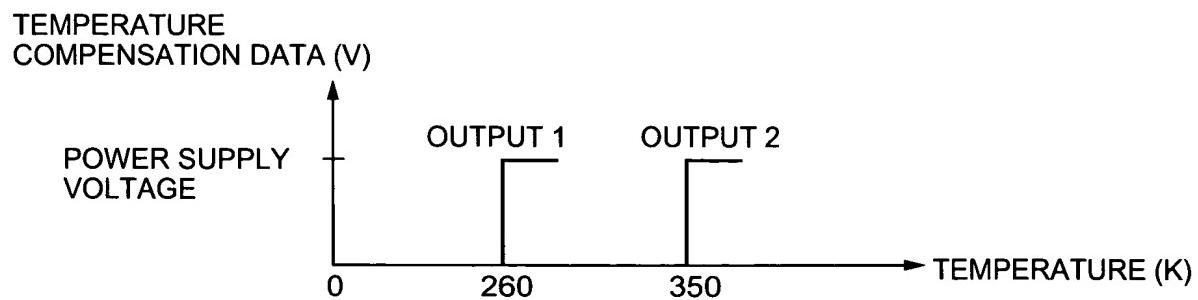


Fig. 3(b)

4/11

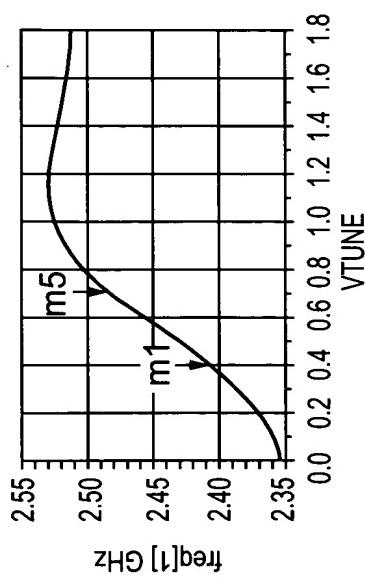


Fig. 4(a)

-40C

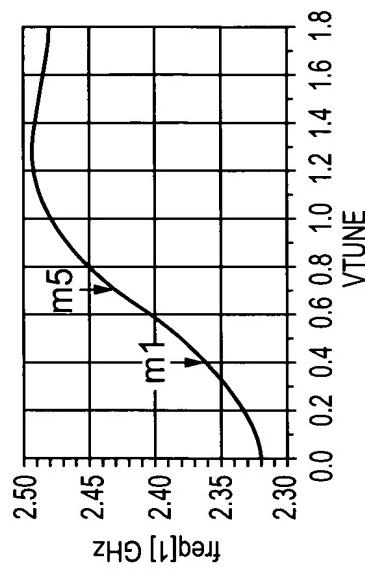


Fig. 4(c)

100C

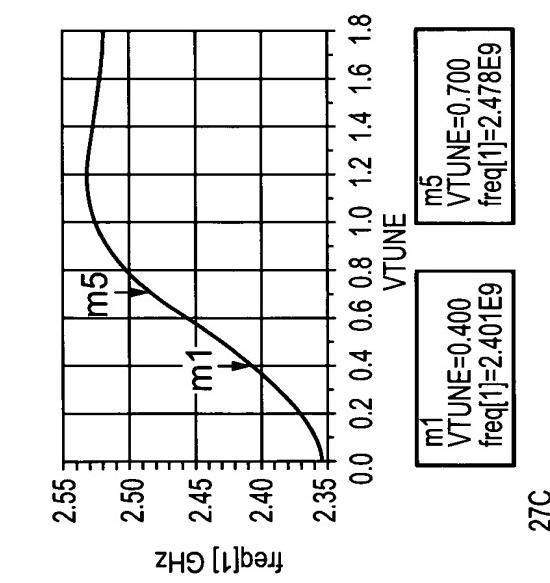


Fig. 4(b)

27C

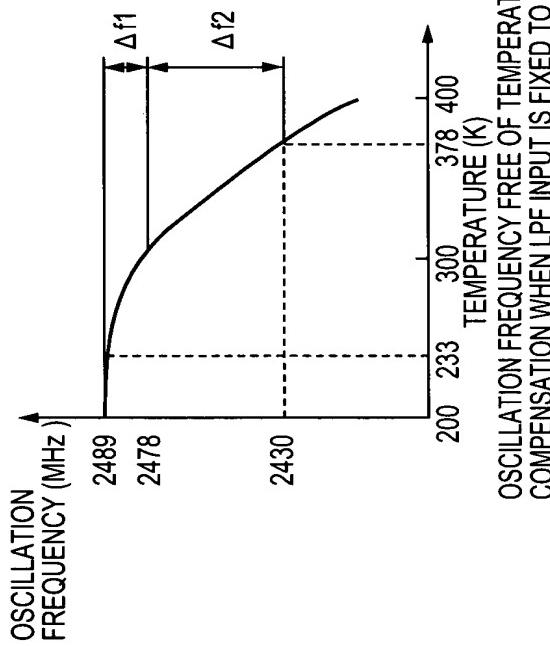


Fig. 4(d)

5/11

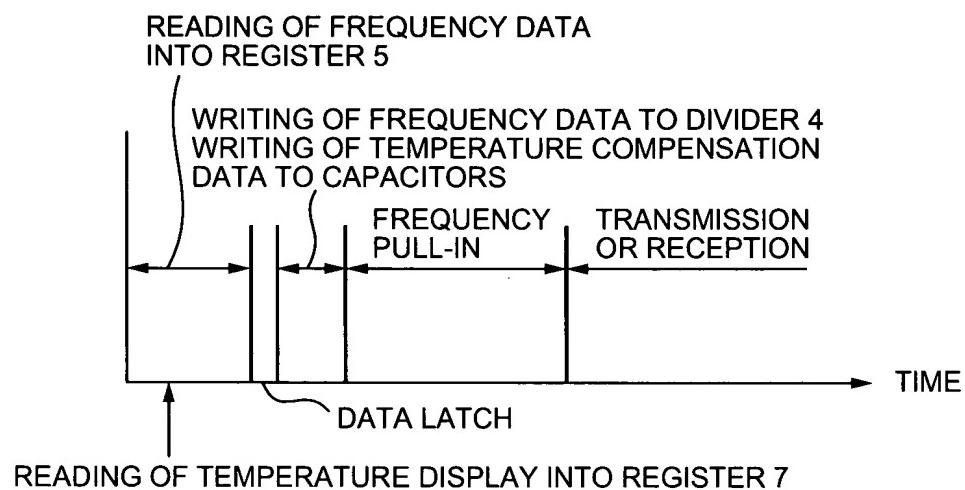


Fig. 5(a)

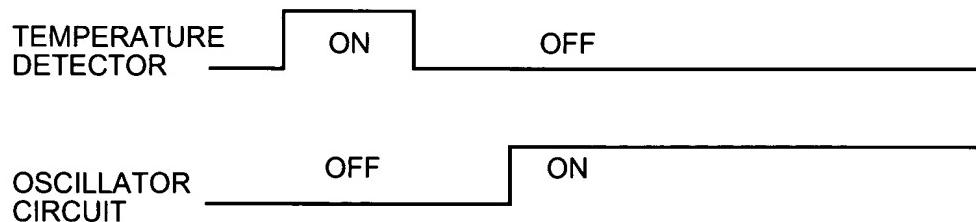


Fig. 5(b)

6/11

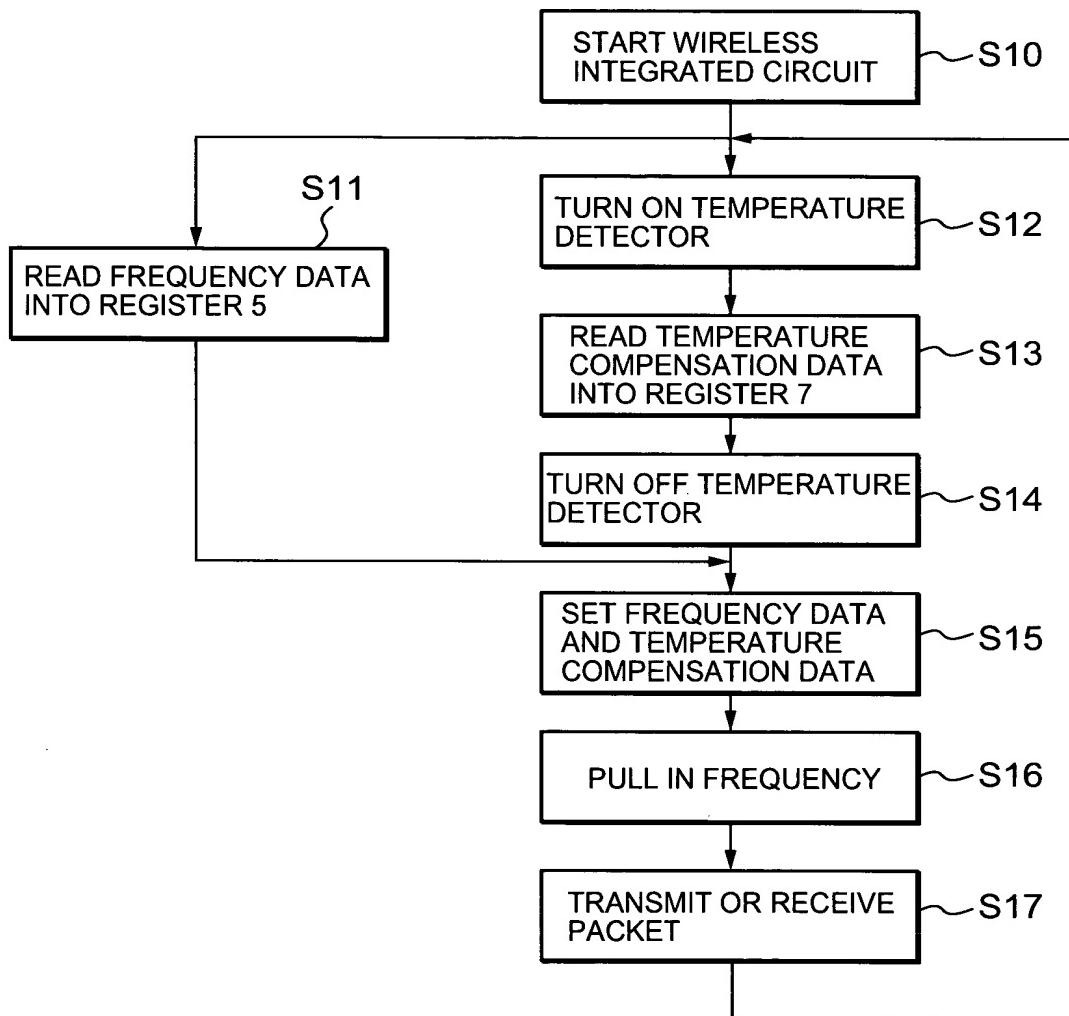


Fig. 6

7/11

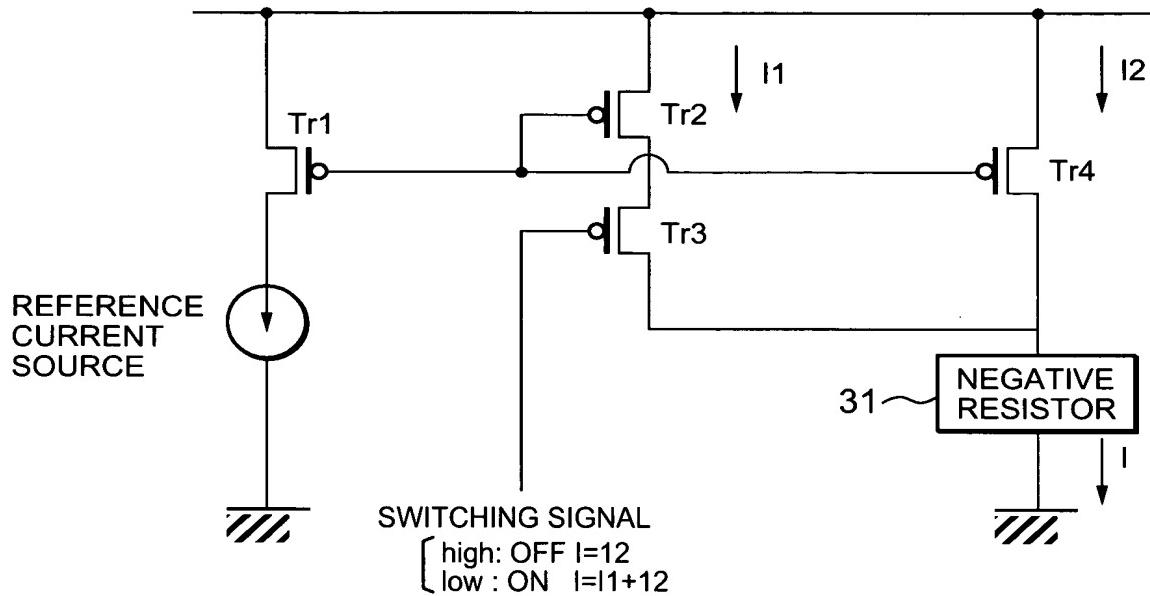


Fig. 7

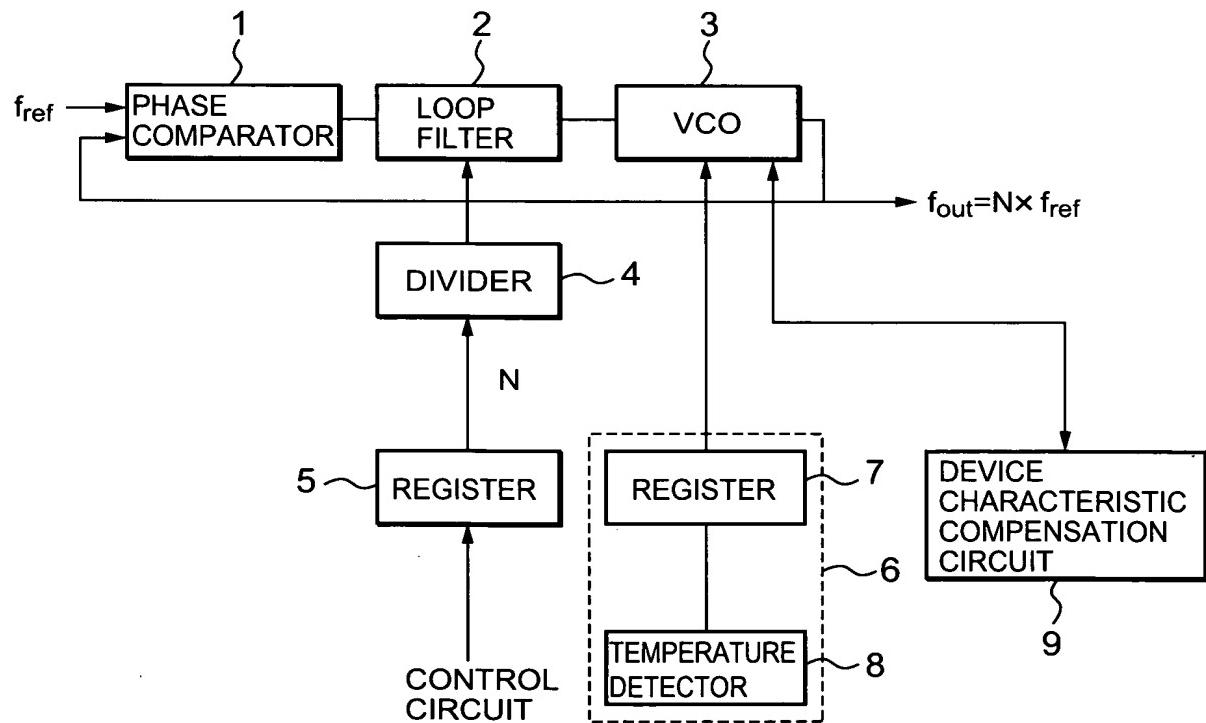


Fig. 8

8/11

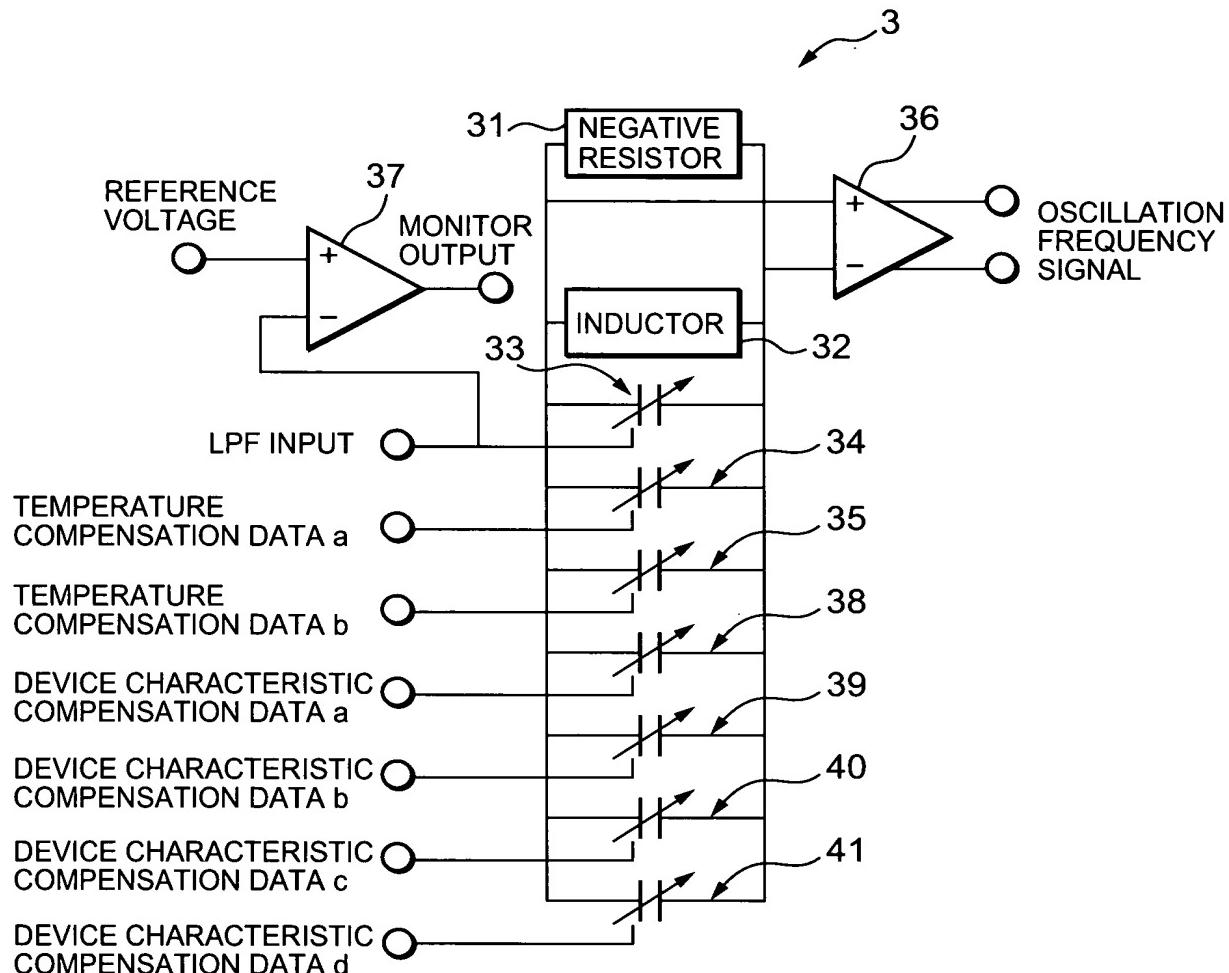


Fig. 9

COMPOSITE CAPACITANCE OF DEVICE CHARACTERISTIC COMPENSATING CAPACITORS	OSCILLATION FREQUENCY (MHz)	AMOUNT OF SHIFT IN OSCILLATION FREQUENCY (MHz)
0	2354	-126
1 * CI	2369	-111
2 * CI	2384	-90
4 * CI	2415	-65
8 * CI	2480	0
9 * CI	2497	17
10 * CI	2514	34
12 * CI	2540	69

Fig. 10

9/11

COMPOSITE CAPACITANCE VALUE(*C1)	TRIAL VALUE (INITIAL VALUE)	RESPONSE (SECOND TIME)	TRIAL VALUE RESPONSE (THIRD TIME)	RESPONSE (FOURTH TIME)	TRIAL VALUE RESPONSE (FOURTH TIME)	FINAL VALUE
0	(1000)	0	(0100)	0	(0010)	0
2	(1000)	0	(0100)	0	(0001)	0
3	(1000)	0	(0100)	0	(0001)	1
4	(1000)	0	(0100)	0	(0011)	0
5	(1000)	0	(0100)	1	(0011)	1
6	(1000)	0	(0100)	1	(0101)	0
7	(1000)	0	(0100)	1	(0101)	1
8	(1000)	0	(0100)	1	(0111)	0
9	(1000)	1	(1100)	0	(1001)	0
10	(1000)	1	(1100)	0	(1001)	1
11	(1000)	1	(1100)	0	(1011)	0
12	(1000)	1	(1100)	0	(1011)	1
13	(1000)	1	(1100)	1	(1101)	0
14	(1000)	1	(1100)	1	(1101)	1
15	(1000)	1	(1100)	1	(1111)	0
16	(1000)	1	(1100)	1	(1111)	1

Fig. 11

10/11

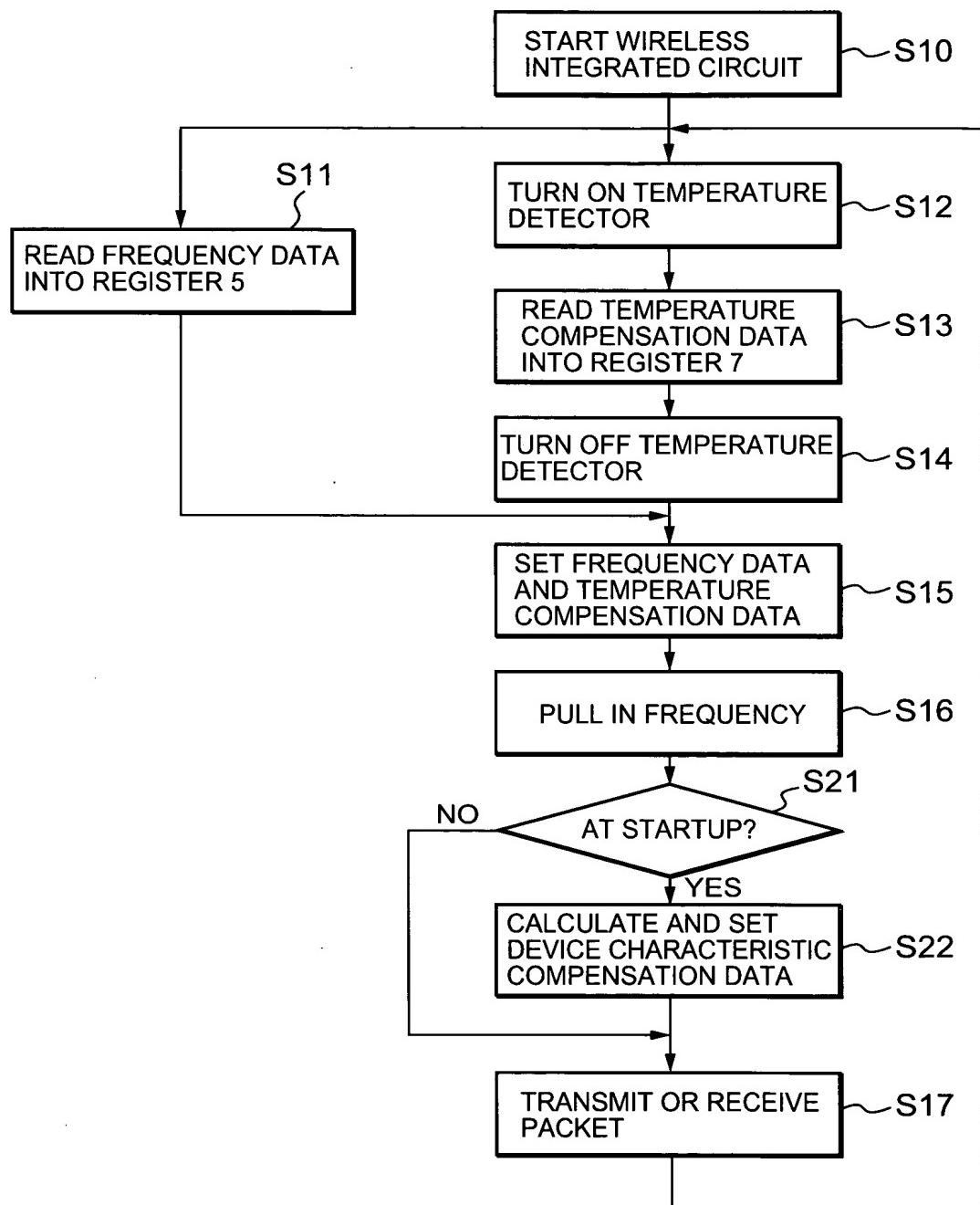


Fig. 12

11/11

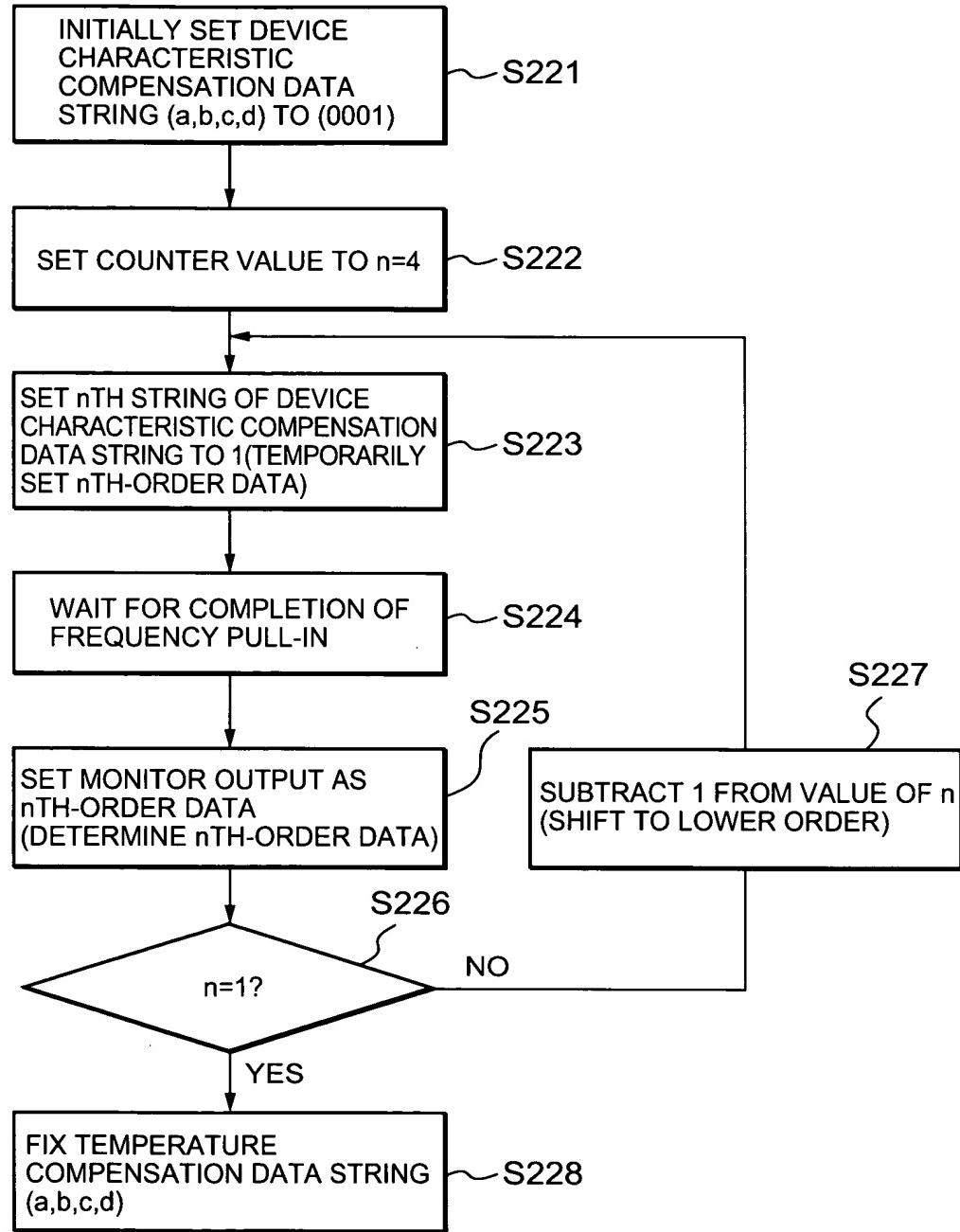


Fig. 13